

Supplementary Material

Analysis of Analytically Challenging Compounds – Including Toxicologically Critical Pesticides and Metabolites – in Infant Formulae and Milk from the EU-Market

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Supplement 1

Graphic representation of the results of the most frequently detected analytes targeted within this project. The bars represent the determined concentrations of the concerning analyte in the samples in mg/kg. The results are grouped by infant formula type and are ranked by concentration.

The various types of infant formulae shown in the following graphs are coded as follows:

Type A: ‘Normal’

Type B: Lactose-free (whey is replaced by e.g. isolated whey proteins and corn syrup)

Type C: Hypoallergenic (containing extensively hydrolysed milk proteins)

Type D: Anti-reflux (containing thickening agents)

Type E: ‘Comfort’ (for infants with digestive problems; contains partly broken-down proteins)

Type F: Plant-based, i.e. dairy-free (based on e.g. soy or rice)

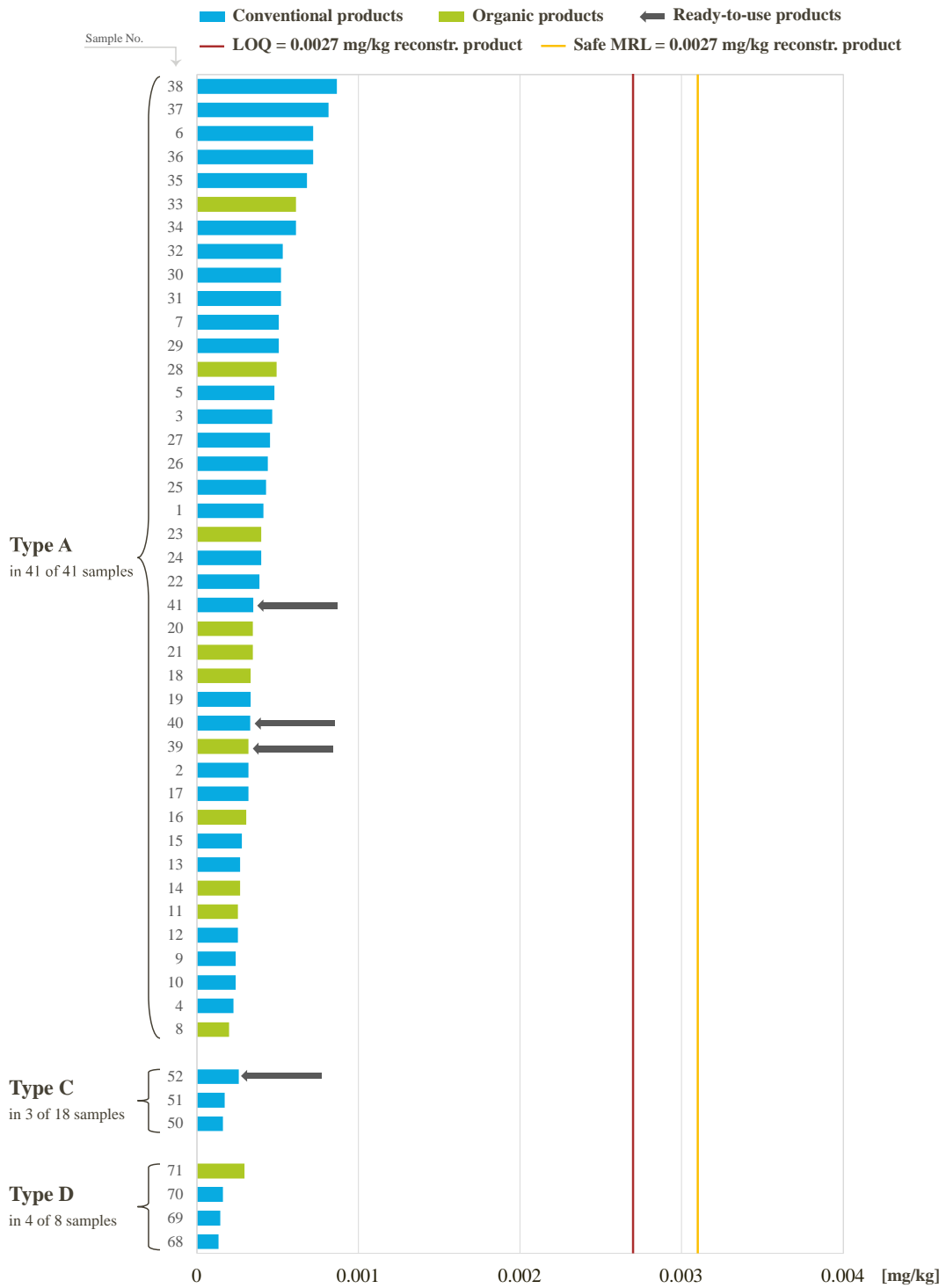
Organic products are marked in green and ready-to-eat products are marked with an arrow.

Acknowledgements:

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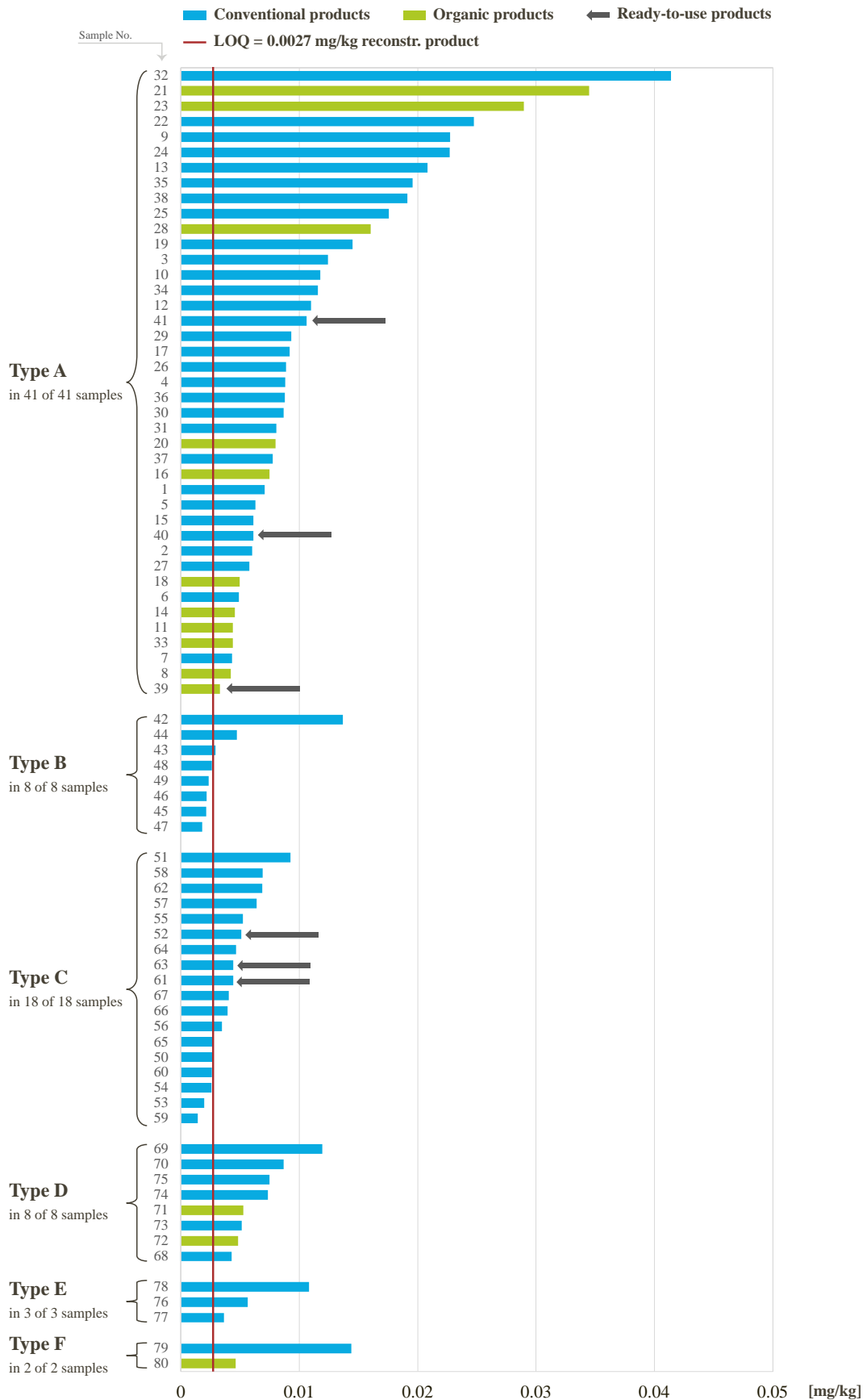
Semi-quantitative concentrations of **nicotine** in infant formulae (in mg/kg reconstituted product). The levels are ordered by concentration for each product type separately.

Nicotine



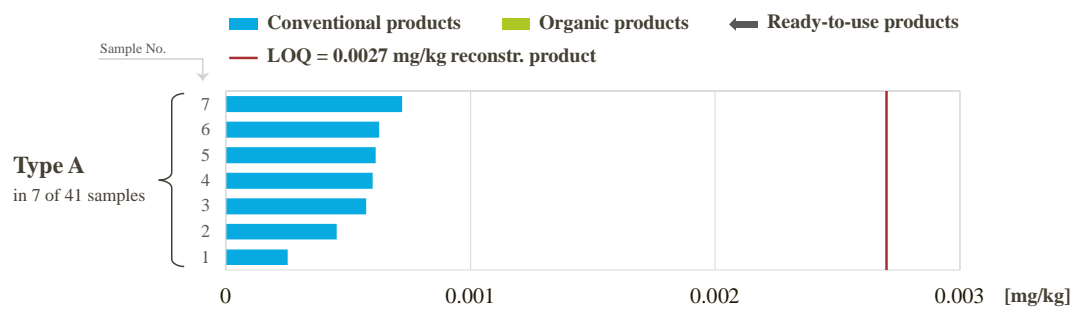
Concentrations (incl. semi-quantitative concentrations) of **chlorate** in infant formulae (in mg/kg reconstituted product). The levels are ordered by concentration for each product type separately.

Chlorate



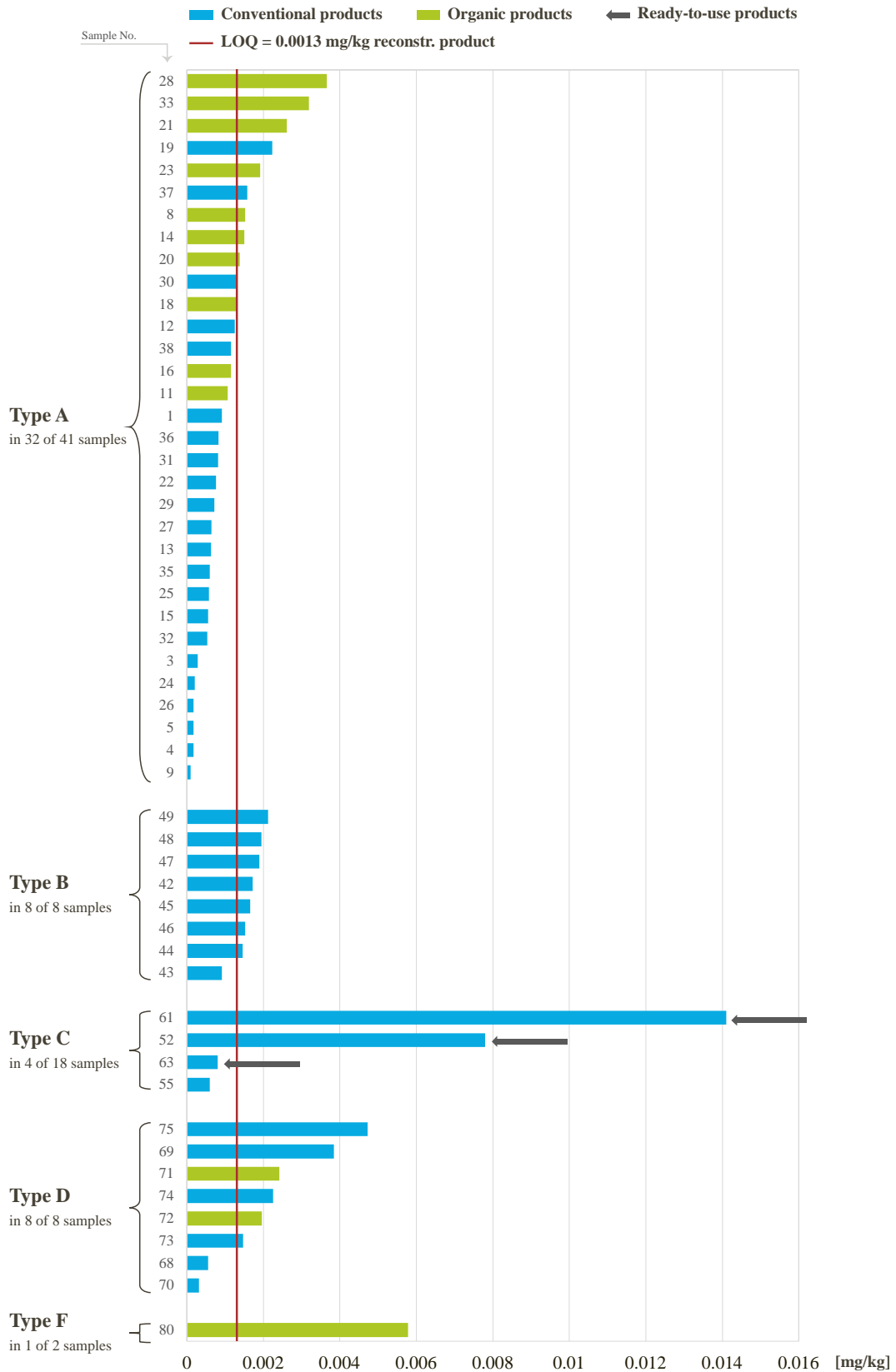
Semi-quantitative concentrations of **melamine** in infant formulae (in mg/kg reconstituted product). The levels are ordered by concentration.

Melamine



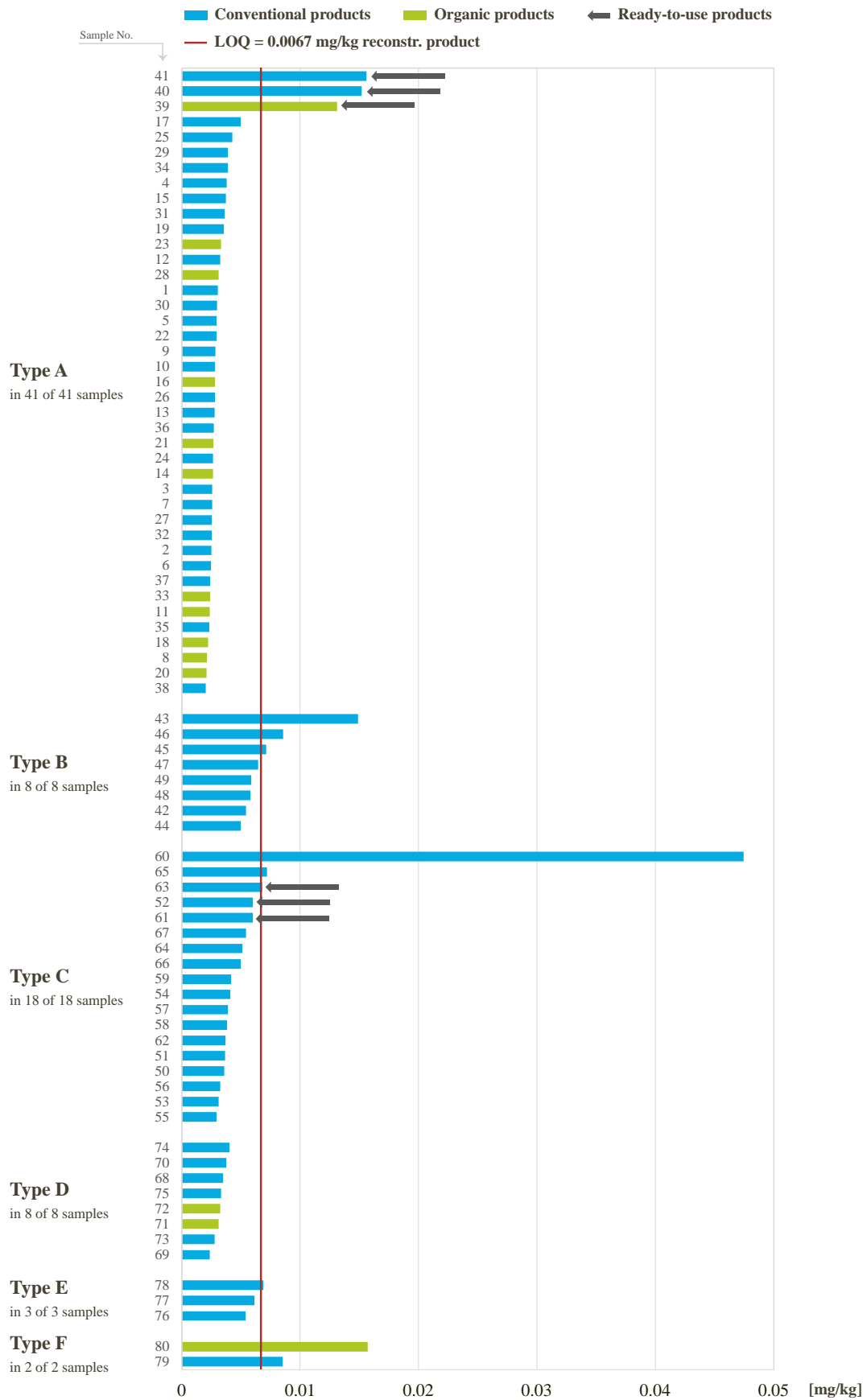
Concentrations (incl. semi-quantitative concentrations) of **perchlorate** in infant formulae (in mg/kg reconstituted product). The levels are ordered by concentration for each product type separately.

Perchlorate



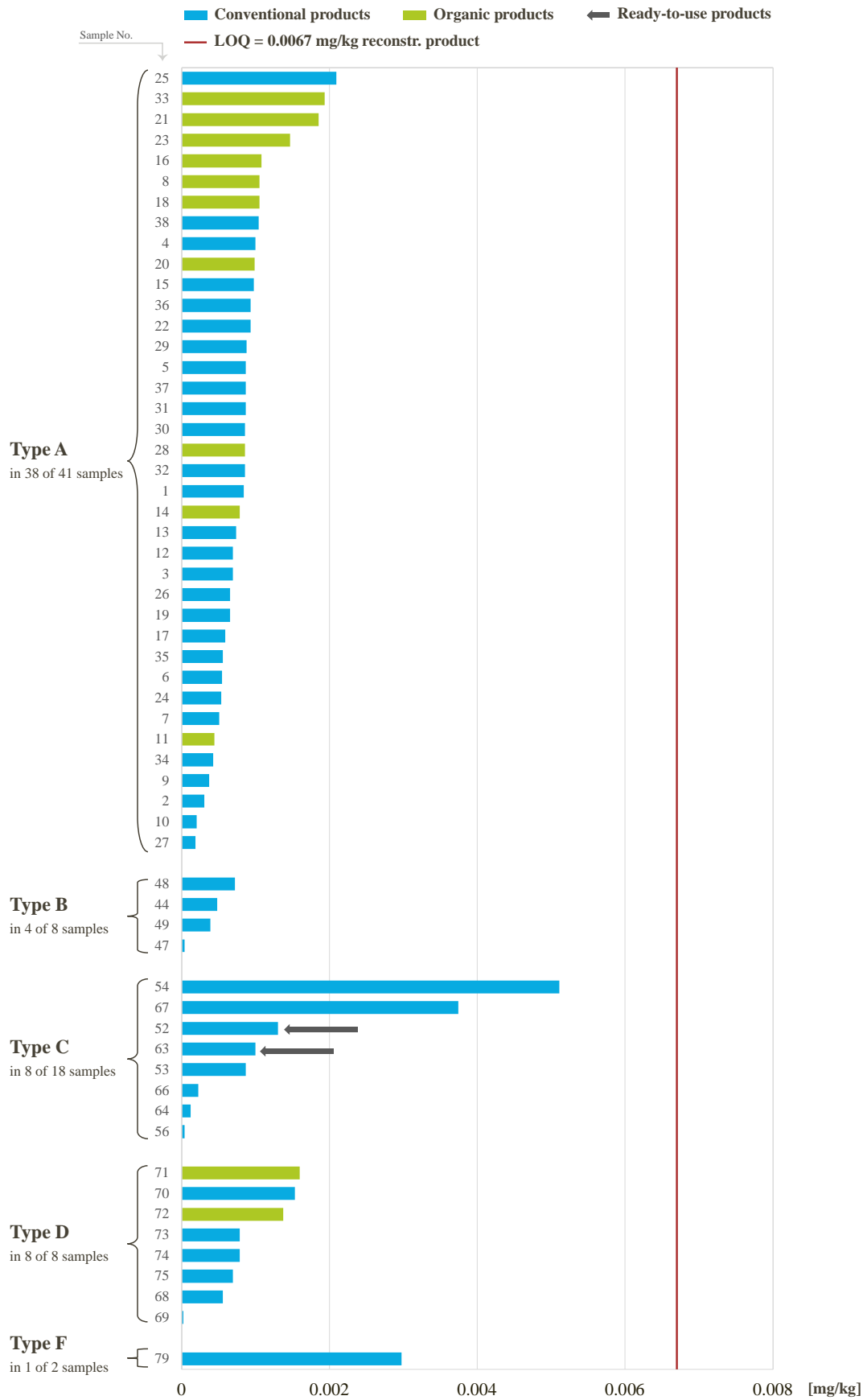
Concentrations (incl. semi-quantitative concentrations) of **phosphonic acid** in infant formulae (in mg/kg reconstituted product). The levels are ordered by concentration for each product type separately.

Phosphonic acid



Semi-quantitative concentrations of **trifluoroacetic acid** in infant formulae (in mg/kg reconstituted product). The levels are ordered by concentration for each product type separately.

Trifluoroacetic acid



Concentrations (incl. semi-quantitative concentrations) of **thiocyanate** acid in infant formulae (in mg/kg reconstituted product). The levels are ordered by concentration for each product type separately.

Thiocyanate

